



MARKED UP VERSION OF AMENDMENTS

Claim Amendments Under 37 C.F.R. § 1.121(c)(1)(ii)

2. (Amended) A kit comprising:
 - (a) an array comprising one or more oligonucleotide tags fixed to a solid substrate, wherein each oligonucleotide tag comprises a unique known arbitrary nucleotide sequence of sufficient length to hybridize to a locus-specific tagged oligonucleotide; and
 - (b) one or more locus-specific tagged oligonucleotides, wherein each locus-specific tagged oligonucleotide has at its first (5') end nucleotide sequence which hybridizes to[, e.g., is complementary to,] the arbitrary sequence of a corresponding oligonucleotide tag on the array, and has at its second (3') end nucleotide sequence complementary to target polynucleotide sequence in a sample[.] wherein the last nucleotide at the 3' end of the locus-specific tagged oligonucleotide hybridizes exactly one nucleotide before the nucleotide to be queried in the target polynucleotide sequence.

20. (Amended) A set of primers for use in determining a ratio of nucleotides present at a polymorphic locus, comprising:
 - (a) a pair of primers which when in the presence of a DNA polymerase amplify a region of double stranded DNA, wherein the region comprises a polymorphic locus; and
 - (b) an extension primer which comprises a 3' portion which is complementary to a portion of the region of double stranded DNA and a 5' oligonucleotide portion which is not complementary to the region of double stranded DNA, but which is complementary to a unique known sequence of an oligonucleotide tag fixed to a solid substrate, wherein the extension primer [terminates one] is complementary to the 3' nucleotide [5' to] sequence of the polymorphic locus[.] , and wherein the last nucleotide at the 3' end of the extension primer hybridizes exactly one nucleotide before the polymorphic locus.

21. (Amended) A kit comprising in a single container two or more of the sets of primers of claim 20[.] and at least two labeled dideoxynucleotides, each of which is distinctly labeled.
22. (Amended) A kit comprising in a single container:
- (a) a set of primers and dideoxynucleotides of claim 20; and
 - (b) a solid support comprising a probe which is attached to a solid support, wherein the probe is complementary to the 5' portion of the extension primer.